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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,034	03/01/2002	Kcizo Sugiyama	020236	8801
23850	3850 7590 09/06/2006		EXAMINER	
ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP			DYKE, KERRI M	
1725 K STRE SUITE 1000	ET, NW		ART UNIT	PAPER NUMBER
WASHINGTON, DC 20006			2616	
			DATE MAILED: 09/06/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

·····	Application No.	Applicant(s)			
	10/085,034	SUGIYAMA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Kerri M. Rose	2616			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 14 M	<u>farch 2006</u> .				
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL. 2b)⊠ This action is non-final.				
3) Since this application is in condition for allowa	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under l	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.			
Disposition of Claims					
4)⊠ Claim(s) <u>1-18</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1,2,5,8,10,11,14 and 17</u> is/are rejected.					
7) Claim(s) <u>3,4,6,7,9,12,13,15,16 and 18</u> is/are o					
8) Claim(s) are subject to restriction and/o	or election requirement.				
Application Papers					
9) ☐ The specification is objected to by the Examine	er.				
10) The drawing(s) filed on is/are: a) acc	cepted or b) objected to by the	Examiner.			
Applicant may not request that any objection to the					
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E					
Priority under 35 U.S.C. § 119					
12)⊠ Acknowledgment is made of a claim for foreigr a)⊠ All b)⊡ Some * c)⊡ None of:	n priority under 35 U.S.C. § 119(a)-(d) or (f).			
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the price	•	ed in this National Stage			
application from the International Burea					
* See the attached detailed Office action for a list of the certified copies not received.					
	•				
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-6) Other:					

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DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1, 2, 5, 8, 10, 11, 14, and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by Kostic et al. (US 6,826,409).
- 4. In regards to claim 1, Kostic discloses a wireless LAN system comprising: a plurality of wireless stations (fig. 1 element 104); and a switching apparatus (fig. 1.102) for switching a frequency channel used between stations for communication, the switching apparatus having a means for selecting a frequency channel (col. 5 lines 35-37), and a means for sending a switching request packet that identifies the selected frequency channel to the stations (col. 5 lines 37-39) upon expiration of a polling period (col. 9 lines 5-8 discloses the frequency reassignment is carried out in response to a request, i.e. poll), each station having a means for switching a frequency channel from the channel being used to the channel identified by the switching request packet (col. 4 lines 10-12).
- 5. Claim 10 is rejected upon the same grounds as claim 1.

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- 6. In regards to claim 2, Kostic discloses a wireless LAN system comprising: a plurality of wireless stations (fig. 1 element 104); and a switching apparatus (fig. 1.102) for switching a frequency channel used between stations communicated with each other, said switching apparatus including means for selecting a frequency channel to be used (col. 5 lines 35-37), and means for sending a switching request packet for specifying said selected frequency channel to said stations (col. 5 lines 37-39), each of said stations including means for switching a current frequency channel to the frequency channel specified by the switching request packet (col. 4 lines 10-12) wherein the switching apparatus further comprises a manager for collecting a line status information indicating the varying status of lines between the stations (col. 9 lines 10-12), and a means for judging whether a frequency channel should be switched based on the line status information (col. 9 lines 13-38); each station has an agent for sending the line status information to the manager in the switching apparatus (col. 9 lines 10-12 discloses each station sends information to a manager in the switching apparatus. Therefore, each station must have an agent to send the information.); and the selecting means in the switching apparatus selects the frequency channel based on a judgment of the judging means (col. 9 lines 40-50).
- 7. In regards to claim 5, Kostic discloses a system as claimed in claim 1, wherein said selecting means in said switching apparatus selects a frequency channel so that a polarized wave of said frequency channel to be selected does not overlap polarized waves of neighbor frequency channels (col. 11 lines 24-30).
- 8. In regards to claim 8, Kostic discloses a system as claimed in claim 1, wherein said stations consist of one parent-station (fig. 4.404) and a plurality of child-stations (4.402); the agent in the parent-station and each child-station calculates a percentage value of the number of

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success packets in relation to the total number of packets for each wireless link between the parent-station and each child-station (col. 7 lines 42-54), and sends a percentage value for each wireless link to the switching apparatus (col. 8 lines 53-60); the manager in the switching apparatus receives the percentage value; and the switching judgment means judges based on the number of wireless links for which the percentage value is smaller than a threshold whether a frequency channel should be switched (col. 10 lines 10-13).

9. Claims 11, 14, and 17 are rejected upon the same grounds as claims 2, 5, and 8 respectively.

Allowable Subject Matter

- 10. The indicated allowability of claims 2, 5, 8, 11, 14, and 17 is withdrawn in view of the newly discovered reference(s) to Kosic et al. Rejections based on the newly cited reference(s) are above.
- 11. Claims 3, 4, 6, 7, 9, 12, 13, 15, 16, and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Lappetelainen et al. (US 6,834,045) discloses an apparatus and method for changing frequency allocations in a wireless system. Figures 3-5 disclose messages used for exchanging frequency assignment updates.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kerri M. Rose whose telephone number is (571) 272-0542. The examiner can normally be reached on Monday through Thursday, 7:00 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

kmr

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